



# Duplainville Transport, Inc.

Idle Reduction

The SmartWay Experience

# SmartWay

 **SmartWay**  
Transport Partnership

A **stronger** economy.

A **healthier** environment.

**SmartWay**  
**Transport Partners**  
**DELIVER.**

# Idle Reduction



# Idle Reduction

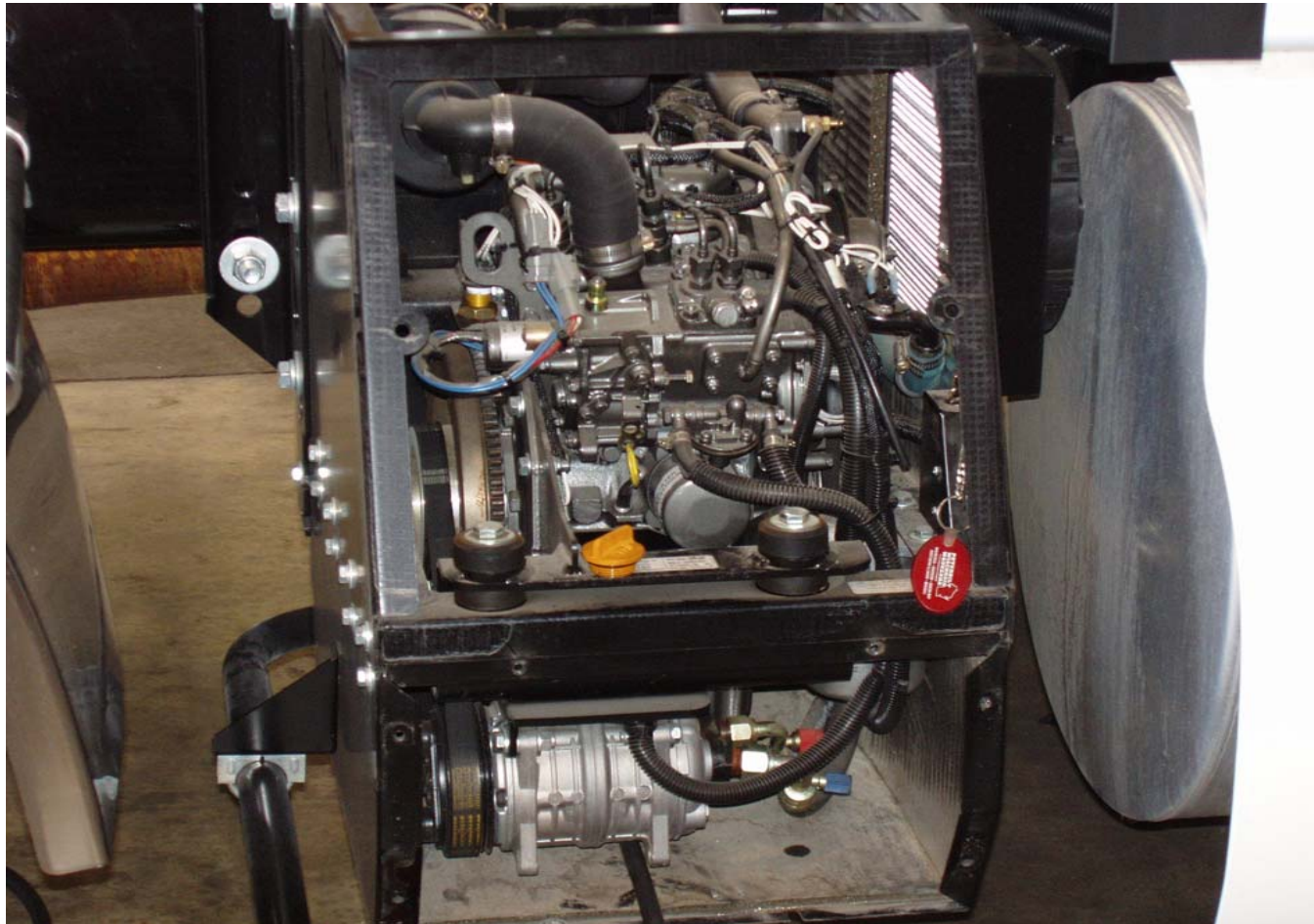




# Idle Reduction



# Tri-Pac



# Driver Control



# Why Tri-Pac?

## FUEL TEST SUMMARY

	A/C Mode	Heat Mode
	Gal/Hr	Gal/Hr
TRI-PAC	0.1450	0.0400
Company A	1.0146	0.9907
Company B	1.4801	1.4093
Company C	0.2730	0.4200
Company D	0.3630	0.3570



# Environmental Benefits

	Emissions (grams/year)			
	VOC or THC	CO	No <sub>x</sub>	CO <sub>2</sub>
Tractor Idling <sup>1</sup>	37,800	283,800	170,100	31,191,000

	Emissions (grams/year)			
	VOC or THC	CO	No <sub>x</sub>	CO <sub>2</sub>
TRI-PAC Heat Idling/Year <sup>2</sup>	261	656	396	2,184,000
TRI-PAC A/C Idling/Year <sup>3</sup>	608	10,125	15,660	2,525,850
<b>Total TRI-PAC</b>	<b>869</b>	<b>10,781</b>	<b>16,056</b>	<b>4,709,850</b>

	Emissions (grams/year)			
	VOC or THC	CO	No <sub>x</sub>	CO <sub>2</sub>
Reduction/Year/Truck	36,932	273,020	154,044	26,481,150

# Average Cost Savings

	Feb 21 - Mar 21	Mar 21 Apr 21	Apr 21 - May 21	May 21 - Jun 21
<b><i>Average MPG</i></b>	5.86	6.27	6.5	6.5
<b><i>Idle Hours</i></b>	3491	1964	1147	1078
<b><i>Price Per Gallon</i></b>	\$2.24	\$2.31	\$2.18	\$2.33
<b><i>Total Cost</i></b>	\$7,819.00	\$4,536.00	\$2,500.00	\$2,511.00

# Environmental Challenge

## Currently, truck and rail:

- Travel over 200 billion miles
- Consume over 35 billion gallons of fuel
- Account for nearly 20% of transportation related energy use
- Produce approximately 350 million metric tons of CO<sub>2</sub>
- Will increase dramatically over the next decade
  - Faster delivery schedules
  - Increasing internet sales

**35 Billion  
Gallons**



**2003**

**45 Billion  
Gallons**



**2012**

## Emission Reduction Goals

- 150 million barrels of fuel each year (12 million cars off the road)
- 33 million metric tons CO<sub>2</sub> annually by 2012
- 200,000 tons NO<sub>x</sub> annually, plus PM and air toxics benefits

# How Do Companies Become Partners?

## Shippers:

- Commit to ship a majority of their goods with SmartWay Transport Partner carriers within 3 years
- Assess and commit to improve their facility transportation emissions within 3 years:
  - Forklifts, generators, loaders, amount of truck idling at facility, intermodal
- Sign the Partnership Agreement

## Carriers:

- Measure current environmental performance with the FLEET Performance Model
- Commit to improve environmental performance within 3 years
- Sign the Partnership Agreement





# Sample F.L.E.E.T. Performance

		CO <sub>2</sub>	PM	NO <sub>x</sub>
<i>2004 Fleet Performance</i>				
	<i>Fuel Economy</i>			
Diesel	7.98	17,817.76	4.19	207.69
Gasoline	0.00	0.00		
CNG	0.00	0.00	0.00	0.00
<b>Total:</b>		17,817.76	4.19	207.69
<i>2004 Projected Fleet Performance Without Existing SmartWay Improvements</i>				
Diesel	5.51	25,823.95	4.42	220.75
Gasoline	0.00	0.00		
<b>Total:</b>		25,823.95	4.42	220.75
<i>Total Savings Resulting From Existing SmartWay Improvements</i>				
<b>Emissions Saved</b>		8,006.18	0.22	13.06
<b>% Savings</b>		31.0%	5.0%	5.9%



# F.L.E.E.T. Cost Savings

## 2. Specific Savings From Each SmartWay Strategy Used on Existing Fleet

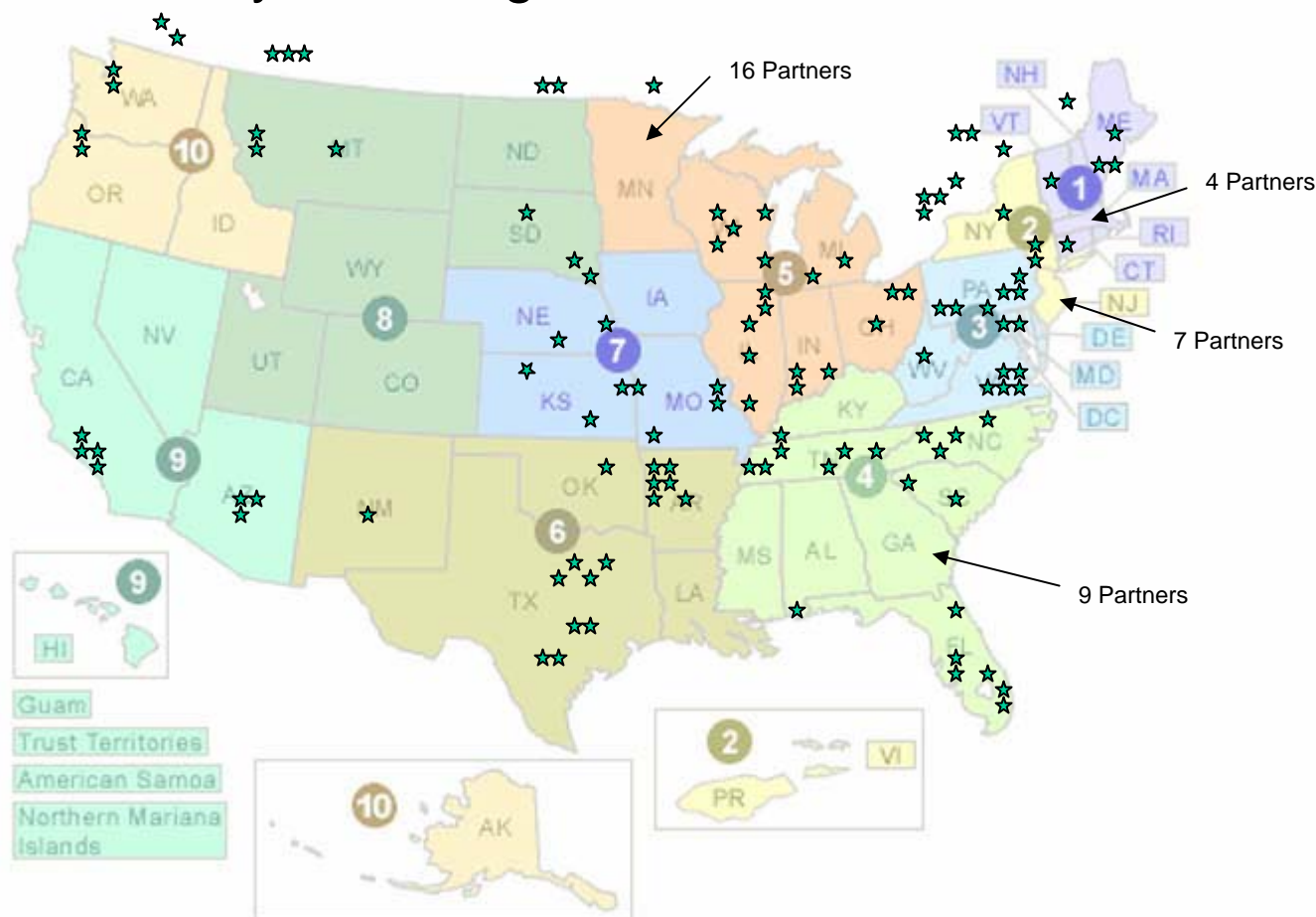
1. What was your average cost of diesel fuel per gallon in 2004?

**\$1.67**

	Gallons Saved	Tons CO <sub>2</sub> Saved	Tons PM Saved	Tons NOx Saved	Cost Savings
<b>Idling Technology:</b>					
DFH	0.00	0.00	0.00	0.00	\$0
APU	14,400.00	159.84	0.08	3.59	\$24,048
TSE	0.00	0.00	0.00	0.00	\$0
Driver Tag Teams	0.00	0.00	0.00	0.00	\$0
Double Drivers	23,757.04	263.70	0.12	4.60	\$39,674
Engine Shut Down	2,613.88	29.01	0.01	0.53	\$4,365
Other	0.00	0.00	0.00	0.00	\$0

# SmartWay Transport Partners (as of June 5, 2005)

➔ Headquarters locations of 154 SmartWay Transport Partners by EPA Region





# SmartWay Transport Partners







# Contact Info:

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